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Approved For Release 2008/02/19 : CIA-RDP78T04759A009600010024-6

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9 September 1970

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MEMORANDUM FOR: [] NSA

SUBJECT : HF/DF FIX Antennas near Murmansk, Riga, Poti,
and Magadan, USSR

REFERENCES : NSA/SPO-R-162/70
(NPIC/IEG/SD/EB Project 250795)

1. This memorandum responds to an NSA request for the identification and, if possible, a description of each high frequency/direction finding (HF/DF) FIX 24 antenna facility reported to be located near the following urban locations within the USSR: Murmansk, Riga, Poti, and Magadan.

2. The possible locations of the facilities were determined by NSA from informal talks with FTD representatives, from COMINT reports, and from the listing of facilities in PROJECT YELLOW TAG, Volumes 2, 3, 4, and 5, Electronics Defense Laboratories (TOP SECRET []). The specific requirement also requests a negation date of each HF/DF FIX 24 where feasible. Negation dates could not be established for the facilities due to the lack of high-resolution photography at the time they were constructed.

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3. The facilities, as identified in the above-referenced search locations are described below.

a. The Murmansk HF/DF FIX 24 antenna facility can be identified on photography of []. The facility, located approximately 6.0 nm south of Murmansk, USSR at 68-51-50N 038-09-30E [], consists of an HF/DF FIX 24. No HF communication facilities could be observed in close proximity to the FIX 24 antenna facility on the high-resolution photography.

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b. The Riga HF/DF FIX 24 antenna facility can be identified on photography of []. The facility is located approximately 12 nm south of Riga, USSR, at 56-47-20N 024-01-00E []. The facility consists of an HF/DF FIX 24 antenna and a

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dismantled HF/DF FIX 8 located 0.5 nm to the southeast. An HF communications receiving facility located near the HF/DF FIX 24 consists of a control building and several support buildings. The HF antenna field contains three 3-2-2-3 fishbone antennas, oriented approximately 030/210, 90/170, and 010/290 degrees of azimuth, respectively. Eleven masts of unidentified function are also located within the antenna field. An HF communications facility at 56-47-20N 024-01-00E [redacted], located approximately 5.0 nm to the north of the HF/DF FIX 24, consists of a control building and several support buildings. The antenna field contains at least seven omnidirectional quadrant antennas. However, it cannot be determined from photography whether or not the HF communications facility is associated with the HF/DF FIX 24 antenna facility.

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c. The existence of an HF/DF FIX 24 in the area of Poti, USSR, cannot be positively identified due to the lack of high-resolution photography.

d. The Magadan HF/DF FIX 24 antenna facility can be identified on photography of [redacted]. The facility is located approximately 3.0 nm north of Magadan, USSR, at 59-37-20N 150-48-20E [redacted]. The facility consists of an HF/DF FIX 24 antenna and an associated HF communications facility (BE None). The HF communications facility consists of a control building and at least one omnidirectional quadrant antenna.

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4. This project is considered complete. Any further inquiries should be directed to [redacted] NPIC/IEG/SD/EB, IDS Code 143,

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Chief, Imagery Exploitation Group
NPIC

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